## .SEQUENCE LISTING

## $\underline{\text{TL-}\gamma}$ amino acid sequence (SEQ ID NO:1)

DOYDHEEL ALESOO

5	M	s	G	G	G	N	I	K	V	V	V	R	V	R	P	F	N	Α	R	E	I
	D	R	G	Α	K	С	I	V	R	M	E	G	N	Q	T	I	L	Т	P	P	P
	G	Α	E	E	K	Α	R	K	S	G	K	T	I	М	D	G	P	K	A	F	A
	F	D	R	S	Y	W	S	F	D	K	N	Α	P	N	Y	A	R	Q	E	D	L
	F	Q	D	L	G	V	P	L	L	D	N	A	F	K	G	Y	N	N	С	I	F
10	Α	Y	G	Q	T	G	S	G	K	S	Y	S	M	M	G	Y	G	K	E	Н	G
	V	I	P	R	I	С	Q	D	М	F	R	R	I	N	E	L	Q	K	D	K	N
	L	Т	С	Т	V	E	V	S	Y	L	E	I	Y	N	E	R	V	R	D	L	L
	N	P	S	Т	K	G	N	L	K	V	R	Ε	Н	P	S	Т	G	P	Y	V	E
	D	L	A	K	L	V	V	R	S	F	Q	E	I	E	N	L	M	D	E	G	N
15	K	Α	R	Т	V	Α	Α	Т	N	М	N	Е	Т	S	S	R	S	Н	A	V	F
	T	L	Т	L	Т	Q	K	W	Н	D	E	E	T	K	M	D	Т	E	K	V	A
	K	I	S	L	V	D	L	A	G	S	E	R	A	T	S	Т	G	Α	Т	G	Α
	R	L	K	E	G	Α	E	I	N	R	S	L	S	T	L	G	R	V	I	A	A ·
	L	Α	D	M	S	S	G	K	Q	K	K	N	Q	L	V	P	Y	R	D	S	V
20	L	T	W	L	L	K	D	S	$\mathbf{L}$	G	G	N	S	M	T	A	M	I	A	Α	Ι
	S	P	Α	D	I	N	F	E	Ė	T	L	S	T	L	R	Y	Α	D	S	Α	K
	R	I	K	N	Н	A	V	V	N	E	D	P	N	A	R	M	Ι	R	Ε	L	K
	E	Ε	L	Α	Q	L	R	S	K	L	Q	S	S	G	G	G	G	G	G	Α	G
	G	S	G	G	P	V	E	Ε	S	Y	P	P	D	T	P	L	E	K	Q	I	V
25	S	I	Q	Q	P	D	A	Т	V	K	K	M	S	K	A	E	Ι	V	E	Q	L
	N	Q	S	Ε	K	L	Y	R	D	L	N	Q	Т	W	E	E	K	L	Α	K	Т
	E	E	I	Н	K	E	R	E	A	A	L	E	E	L	G	Ι	S	Ι	E	K	G
	F	V	G	P	Y	Н	S	K	E	M	P	H	L	V	N	L	S	D	D	P	L
	L	Α	E	С	L	V	Y	N	Ι	K	P	G	Q	T	R	V	G	N	V	N	Q
30	D	Т	Q	A	E	I	R	L	N	G	S	K	I	L	K	E	Н	С	T	F	E
	N	V	D	N	V	V	Т	I	V	P	N	E	K	A		V		V	N		V
	R	I	D	K	P	Т	R	L	R	S	G	Y	R	Ι	Ι	L	G	D -	F -	H	I
	F	R	F	N	Н	P	Ε	Ε	Α	R	Α	E	R	Q	E	Q -	S	L	L	R	H
	S	V	Т	N	S	Q	L	G	S	Ρ.	Α	P	G	R	H	D	R	T _	L	S	K
35	Α	G	S	D	A	D	G	D	S	R		D	S	P	L	P	Н	F	R	G	K
	D	S	D	W	F	Y	A	R	R L		A		S	A	I	L	G	L	D		K n
	Т	S	н	T,	Т	D	D	$\mathbf{E}$	L	D	Α	L	F.	IJ	ע	V	Q	Λ.	А	7	$^{A}$

## $TL-\gamma$ nucleotide sequence (SEQ ID NO:2)

ATGTCGGGCGGTGGAAATATCAAGGTGGTGCGGGTACGCCCGTTCAA ATCAAACCATCCTCACCCCTCCTCCGGGTGCCGAAGAGAAGGCGCGTAAA AGTGGCAAAACTATTATGGATGGCCCGAAGGCATTTGCGTTCGATCGGTC GTATTGGTCCTTTGACAAGAATGCTCCCAACTATGCGAGACAGGAAGACC TATTCCAAGATCTCGGAGTCCCGCTTCTGGATAATGCATTCAAGGGTTAT AACAATTGTATCTTCGCCTACGGTCAGACCGGTTCGGGCAAGTCCTATTC AATGATGGGCTATGGCAAGGAGCATGGCGTGATCCCGCGGATTTGCCAGG ACATGTTCCGGCGTATTAATGAACTGCAGAAGGACAAGAACCTCACTTGC ACCGTCGAAGTTTCGTACTTGGAAATTTACAATGAACGAGTGCGAGACTT GCTGAATCCGTCGACAAAGGGGAATCTCAAGGTCCGAGAACACCCGTCGA CCGGCCCCTACGTGGAGGACTTGGCGAAGCTGGTCGTGCGATCATTCCAA GAAATCGAAAATCTCATGGATGAGGGCAACAAAGCCAGAACGGTTGCCGC CACAAACATGAACGAGACATCCAGTCGATCCCACGCCGTCTTCACTTTGA CCTTGACGCAAAAGTGGCATGATGAAGAGACCAAAATGGACACAGAGAAG CACCGGAGCTACTGGAGCGCGACTGAAGGAGGTGCAGAGATCAACCGCT CACTTTCGACCCTAGGTCGTGTGATTGCAGCGCTAGCGGATATGTCGTCG GGAAAACAGAAGAAGAATCAGTTAGTACCTTACCGAGATTCGGTACTGAC GTGGCTTCTGAAGGACTCCTTGGGAGGCAACTCGATGACCGCCATGATTG CCGCCATTTCGCCTGCTGATATTAACTTTGAAGAGACTCTCAGTACCCTT 30 CGATATGCGGACTCTGCGAAGCGAATCAAGAACCACGCAGTGGTCAATGA AGACCCGAACGCGCGGATGATCCGCGAGTTGAAGGAGGAACTCGCGCAGC TGAGGAGCAAACTCCAGAGCAGTGGTGGAGGTGGAGGTGGTGCAGGAGGT TCTGGCGGGCCAGTGGAGGAATCGTACCCGCCCGACACGCCGCTCGAGAA GCAAATCGTGTCGATTCAGCAGCCGGATGCGACAGTCAAGAAAATGAGCA AGGCAGAAATCGTGGAGCAACTGAACCAGAGTGAGAAGCTCTATCGGGAT 35 CTCAATCAGACCTGGGAAGAGAGCTGGCCAAGACCGAGGAAATCCACAA GGAACGAGAAGCGGCGCTCGAGGAGCTGGGTATCAGCATCGAAAAGGGCT

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TTGTTGGCCCTTACCACTCCAAAGAAATGCCACATCTAGTCAACTTGAGC GATGATCCTCTTCTGGCTGAGTGTCTTGTCTACAACATCAAGCCCGGGCA GACAAGGGTTGGAAACGTCAACCAAGATACACAAGCGGAAATTCGTCTGA ACGGTTCGAAGATCCTGAAAGAACACTGTACGTTTGAAAATGTGGACAAC GTTGTGACCATCGTGCCAAACGAGAAGGCTGCTGTCATGGTGAACGGCGT GCGAATCGACAAGCCTACTCGCCTCCGCAGCGGCTACAGGATCATCCTGG GCGATTTCCACATTTTTCGATTCAACCATCCGGAAGAAGCTCGTGCGGAA TTCGCCTGCTCCAGGCCGTCACGACCGGACACTGAGCAAGGCGGGTTCGG 10 ATGCGGACGGCGATTCTCGCTCAGATTCTCCTTTGCCGCACTTTCGTGGA AAGGATAGCGACTGGTTCTATGCTCGCAGGGAAGCTGCTAGCGCGATCCT AGGGTTGGATCAGAAGATCTCTCATCTGACAGATGACGAGTTGGATGCAT TATTTGACGATGTTCAGAAAGCGCGGGCAGTTCGTCGTGGGCTGGTCGAA GACAACGAAGATAGCGATTCGCAGAGTTCGTTTCCGGTCCGTGACAAATA CATGTCCAATGGAACCATTGATAATTTCTCGCTCGATACCGCCATTACTA TGCCGGGTACCCCTCGTAGTGATGACGACGGTGACGCGCTGTTTTTTGGT GATAAGAAGTCGAAACAGGATGCGTCTAATGTTGATGTTGAGGAGTTGCG TCAACAGCAGGCTCAGATGGAAGAAGCCCTGAAAACAGCGAAGCAGGAAT TC

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